

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015662.D
 Acq On : 22 Jun 2023 23:33
 Operator : MA/JU
 Sample : 03083-18
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFL6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 23 00:14:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	117315	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	435816	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.734	164	216569	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.492	188	408033	20.000	ng/u1	0.00
79) Chrysene-d12	21.586	240	409398	20.000	ng/u1	0.00
88) Perylene-d12	24.151	264	530562	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	18589	5.868	ng/uL	0.00
4) Pyridine-d5	3.846	84	171532	20.844	ng/u1	0.00
7) Phenol-d5	7.252	99	358287	33.151	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.405	67	225572	34.947	ng/u1	0.00
11) 2-Chlorophenol-d4	7.610	132	295270	37.682	ng/u1	0.00
15) 4-Methylphenol-d8	8.805	113	283657	31.979	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	146621	42.852	ng/u1	0.00
24) 2-Nitrophenol-d4	9.993	143	165097	42.252	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.540	165	272623	38.248	ng/u1	0.00
31) 4-Chloroaniline-d4	11.063	131	212997	20.819	ng/u1	0.01
46) Dimethylphthalate-d6	14.140	166	764435	44.762	ng/u1	0.00
49) Acenaphthylene-d8	14.428	160	864376	46.288	ng/u1	0.00
54) 4-Nitrophenol-d4	14.969	143	83545	27.318	ng/u1	0.02
60) Fluorene-d10	15.728	176	593445	41.208	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.875	200	75217	29.098	ng/u1	0.01
73) Anthracene-d10	17.592	188	852466	45.918	ng/u1	0.00
81) Pyrene-d10	19.822	212	1023334	46.703	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.986	264	1211538	45.510	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.963	128	95192	4.031	ng/u1	99
36) 2-Methylnaphthalene	12.569	142	28670	1.727	ng/u1	99
50) Acenaphthylene	14.457	152	242853	11.744	ng/u1	99
52) Acenaphthene	14.798	153	17021	1.191	ng/u1#	94
72) Phenanthrene	17.539	178	258933	11.825	ng/u1	99
74) Anthracene	17.633	178	157957	7.110	ng/u1	99
80) Fluoranthene	19.498	202	981234	36.763	ng/u1	97
82) Pyrene	19.851	202	861768	31.208	ng/u1	98
85) Benzo(a)anthracene	21.569	228	608208	21.251	ng/u1	96
87) Chrysene	21.627	228	720016m	26.616	ng/u1	
90) Benzo(b)fluoranthene	23.363	252	1407870	41.108	ng/u1	97
91) Benzo(k)fluoranthene	23.410	252	380226m	11.485	ng/u1	
93) Benzo(a)pyrene	24.039	252	862820	28.896	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.868	276	847884	21.942	ng/u1	95
95) Dibenzo(a,h)anthracene	26.868	278	216666	6.882	ng/u1#	75
96) Benzo(g,h,i)perylene	27.721	276	760817	23.891	ng/u1	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

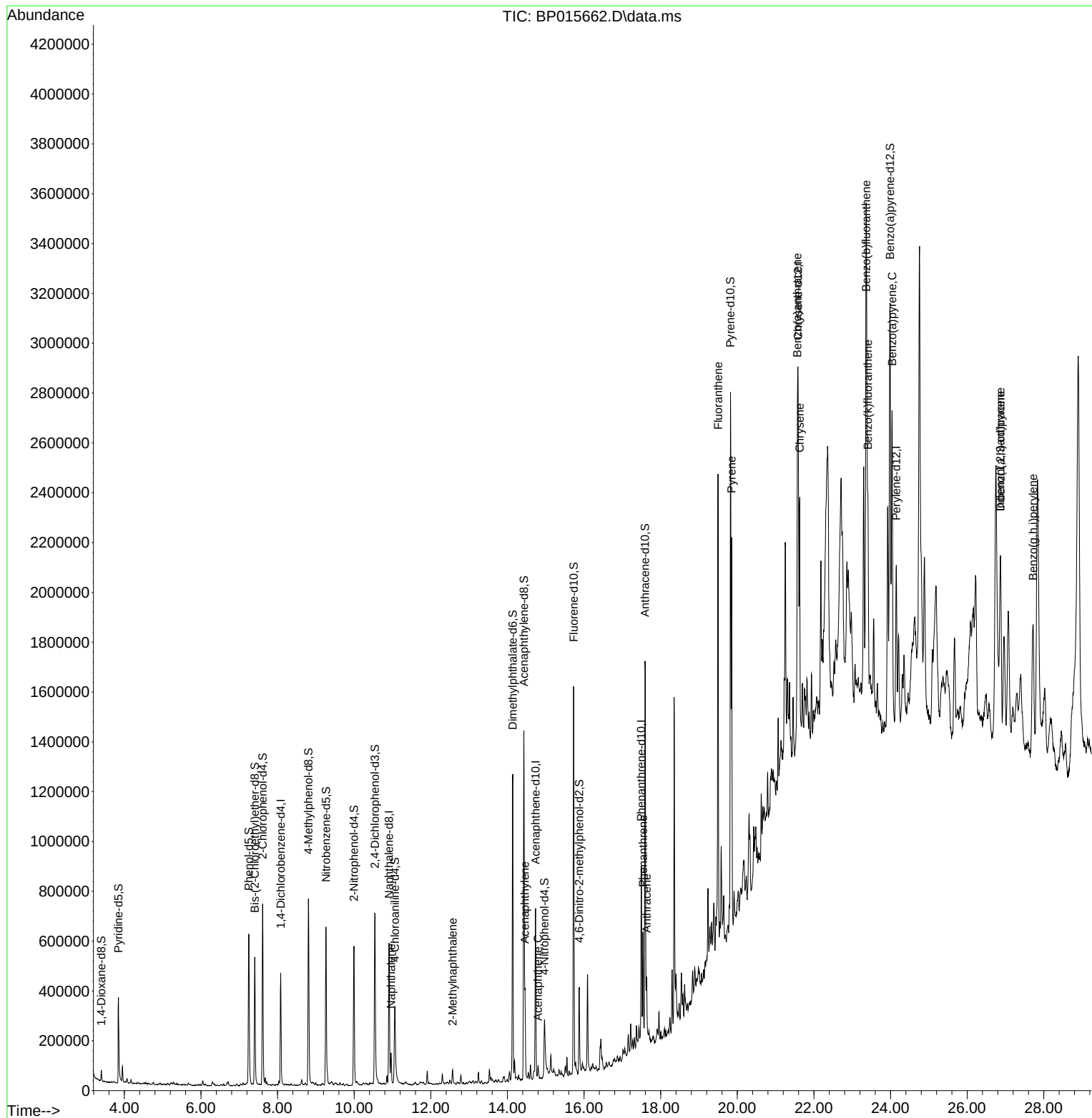
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015662.D
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 ALS Vial : 24 Sample Multiplier: 1

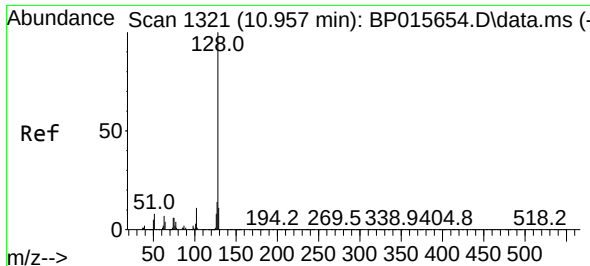
Instrument :
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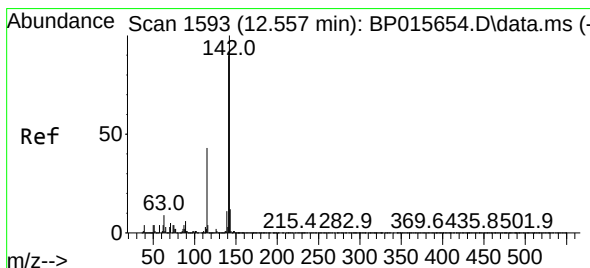
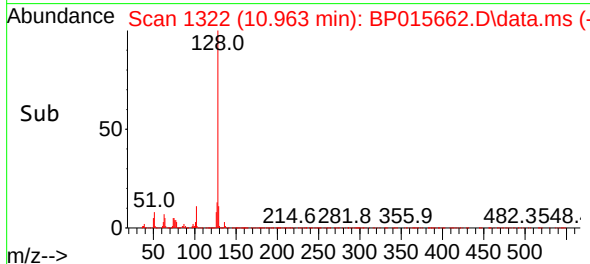
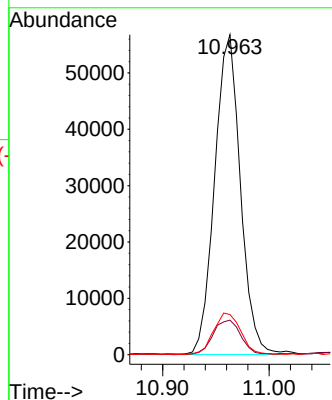
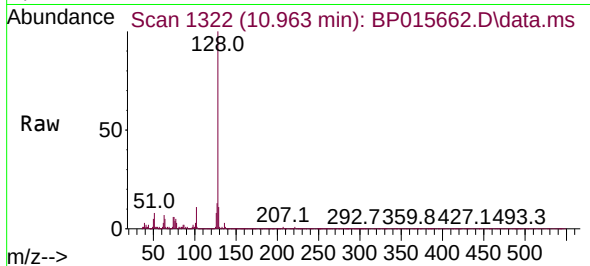
#30
Naphthalene
Concen: 4.031 ng/ul
RT: 10.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BP015662.D
Acq: 22 Jun 2023 23:33

Instrument :
BNA_P
ClientSampleId :
DCFL6

Tgt Ion:128 Resp: 95192
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 12.5 10.5 15.7

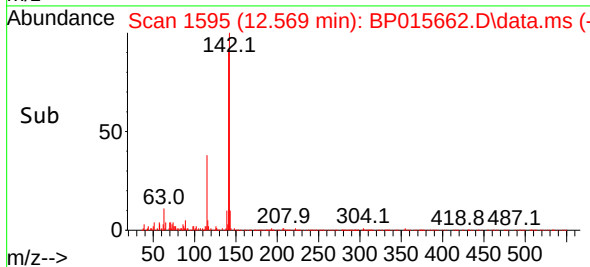
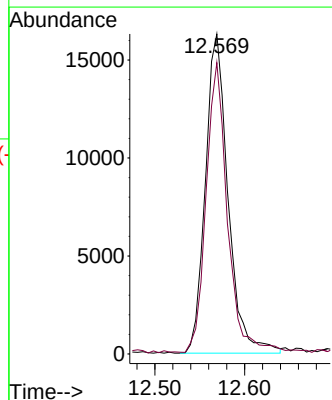
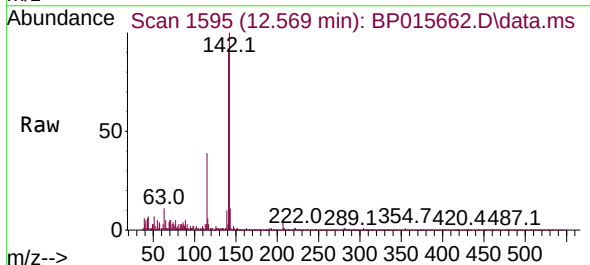
Manual Integrations
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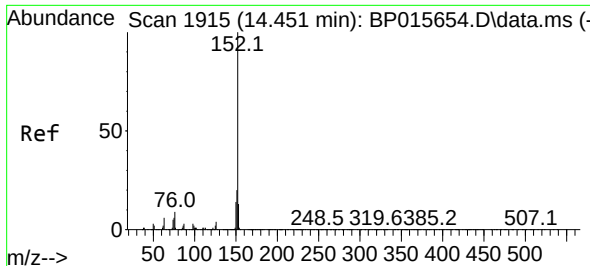
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#36
2-Methylnaphthalene
Concen: 1.727 ng/ul
RT: 12.569 min Scan# 1595
Delta R.T. 0.006 min
Lab File: BP015662.D
Acq: 22 Jun 2023 23:33

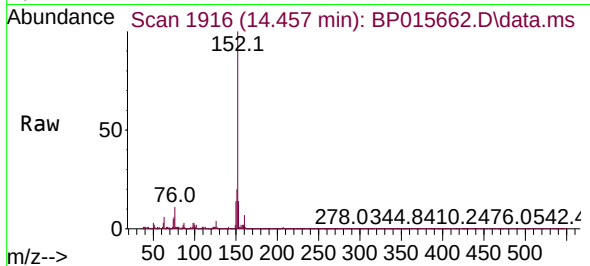
Tgt Ion:142 Resp: 28670
Ion Ratio Lower Upper
142 100
141 91.1 72.0 108.0





#50
Acenaphthylene
Concen: 11.744 ng/ul
RT: 14.457 min Scan# 1915
Delta R.T. 0.006 min
Lab File: BP015662.D
Acq: 22 Jun 2023 23:33

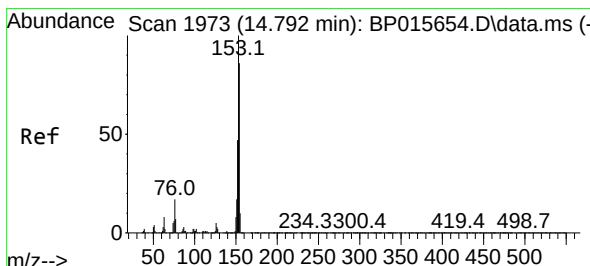
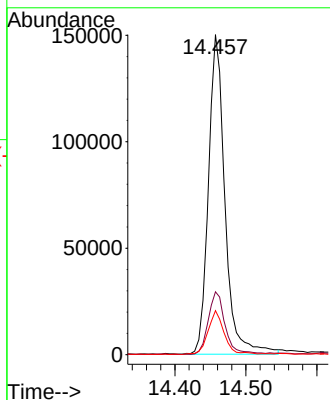
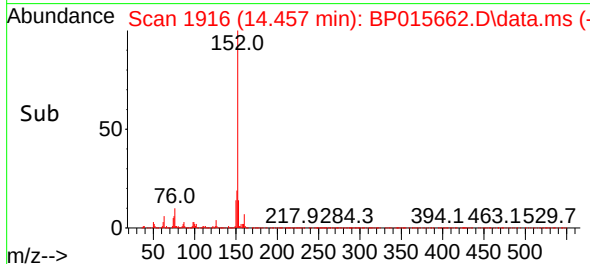
Instrument :
BNA_P
ClientSampleId :
DCFL6



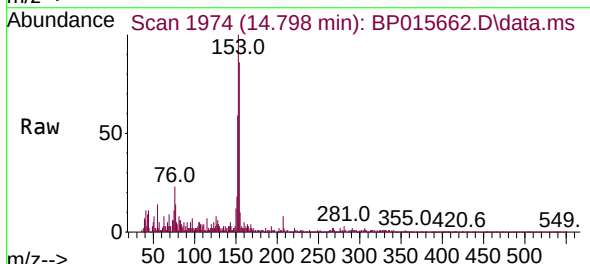
Tgt Ion:152 Resp: 24285
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 13.7 10.6 15.8

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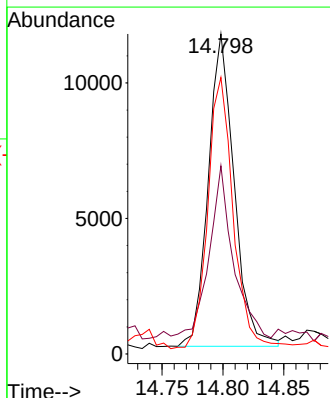
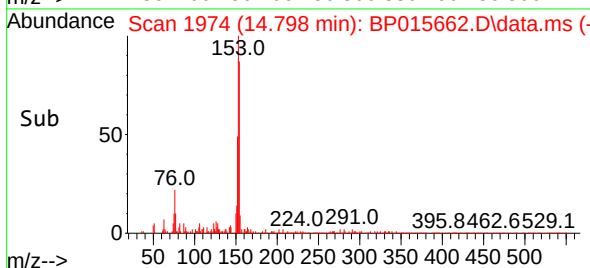
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

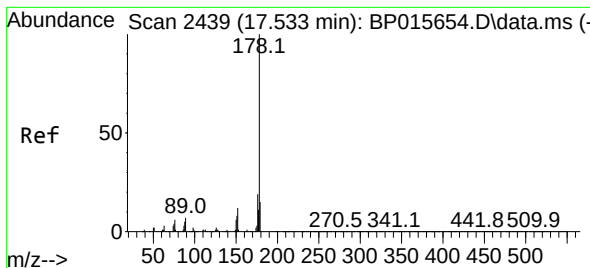


#52
Acenaphthene
Concen: 1.191 ng/ul
RT: 14.798 min Scan# 1974
Delta R.T. 0.006 min
Lab File: BP015662.D
Acq: 22 Jun 2023 23:33



Tgt Ion:153 Resp: 17021
Ion Ratio Lower Upper
153 100
152 58.8 38.3 57.5#
154 86.4 69.8 104.6





#72

Phenanthrene

Concen: 11.825 ng/uI

RT: 17.539 min Scan# 2439

Delta R.T. 0.006 min

Lab File: BP015662.D

Acq: 22 Jun 2023 23:33

Instrument :

BNP_P

ClientSampleId :

DCFL6

Tgt Ion:178 Resp: 25893

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

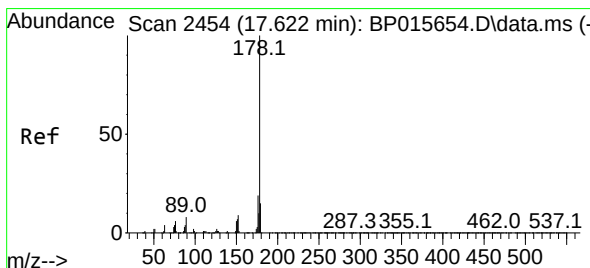
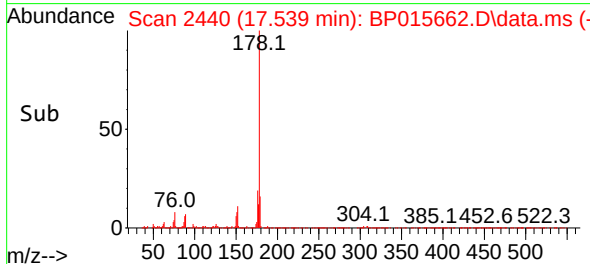
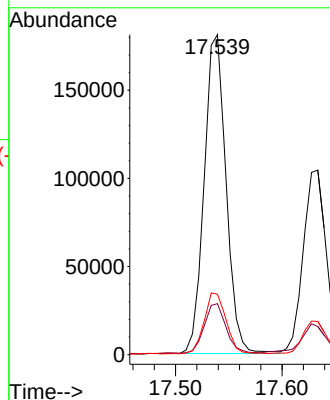
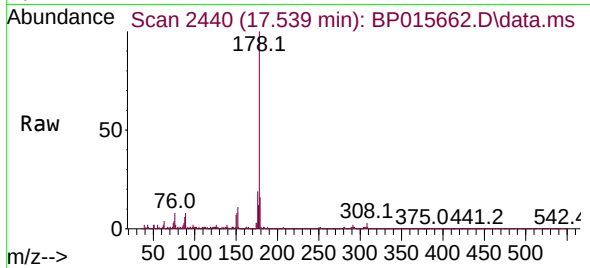
176 18.9 15.4 23.0

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Supervised By :mohammad ahmed 06/23/2023



#74

Anthracene

Concen: 7.110 ng/uI

RT: 17.633 min Scan# 2456

Delta R.T. 0.006 min

Lab File: BP015662.D

Acq: 22 Jun 2023 23:33

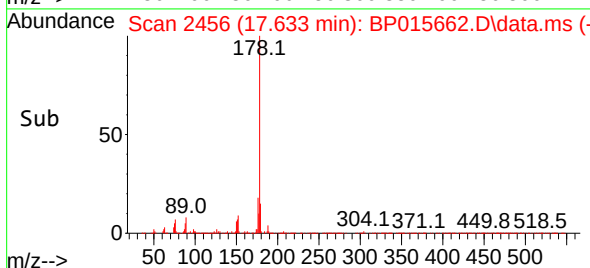
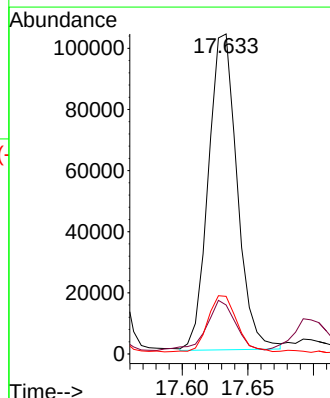
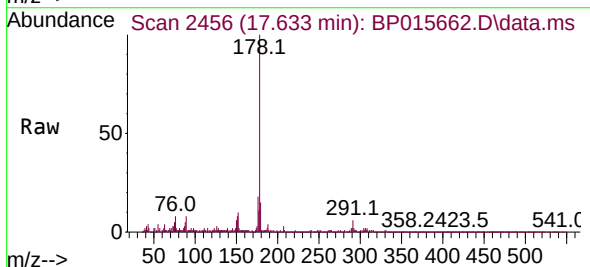
Tgt Ion:178 Resp: 157957

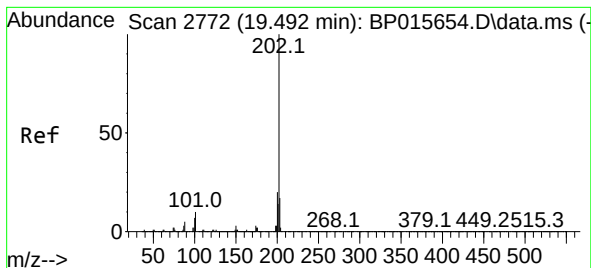
Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

176 18.0 15.0 22.4





#80

Fluoranthene

Concen: 36.763 ng/u1

RT: 19.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015662.D

Acq: 22 Jun 2023 23:33

Instrument :

BNP_P

ClientSampleId :

DCFL6

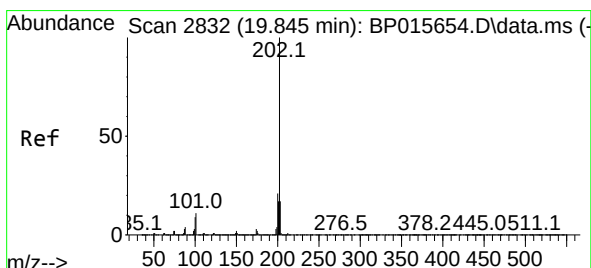
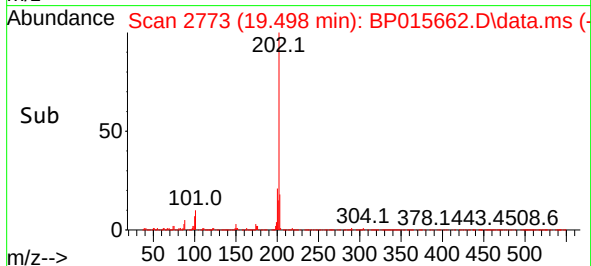
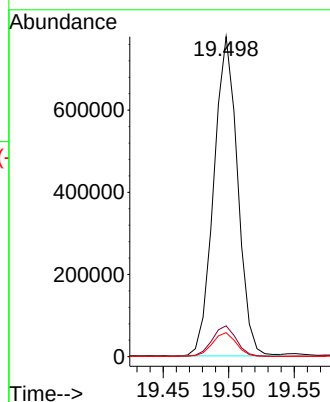
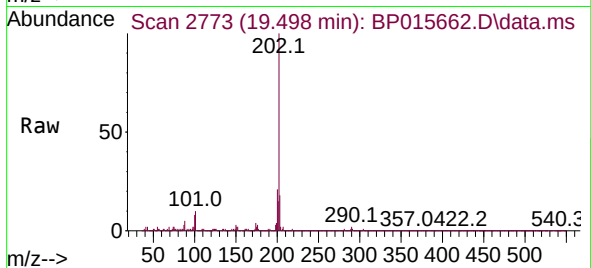
Tgt Ion:	202	Resp:	981234
Ion Ratio	Lower	Upper	
202	100		
101	9.7	8.6	13.0
100	7.5	6.6	9.8

Manual Integrations

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#82

Pyrene

Concen: 31.208 ng/u1

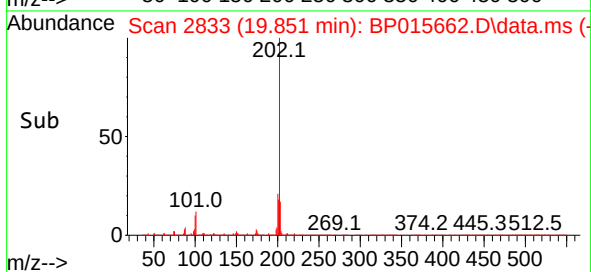
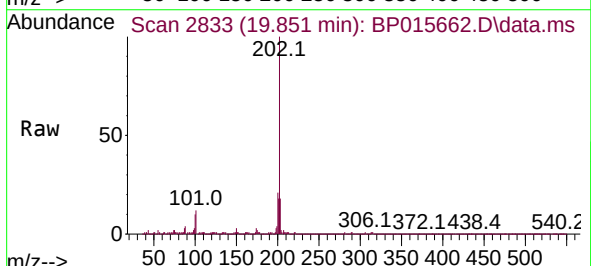
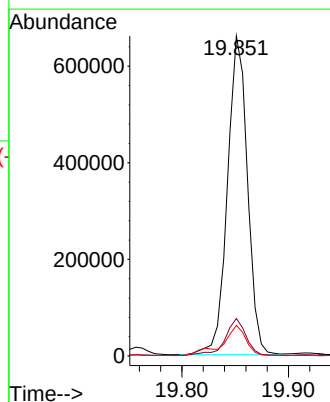
RT: 19.851 min Scan# 2833

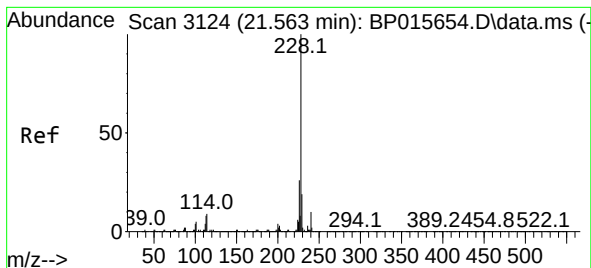
Delta R.T. 0.006 min

Lab File: BP015662.D

Acq: 22 Jun 2023 23:33

Tgt Ion:	202	Resp:	861768
Ion Ratio	Lower	Upper	
202	100		
101	11.7	9.9	14.9
100	9.5	8.4	12.6





#85

Benzo(a)anthracene

Concen: 21.251 ng/ul

RT: 21.569 min Scan# 3124

Delta R.T. 0.006 min

Lab File: BP015662.D

Acq: 22 Jun 2023 23:33

Instrument :

BNA_P

ClientSampleId :

DCFL6

Tgt Ion:228 Resp: 608208

Ion Ratio Lower Upper

228 100

229 21.4 15.8 23.6

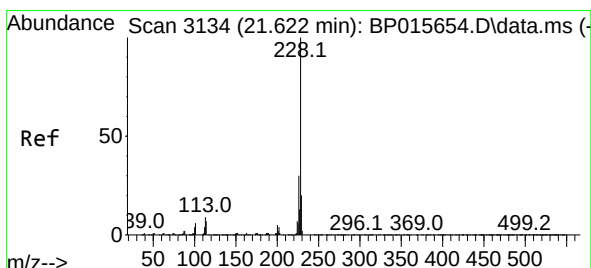
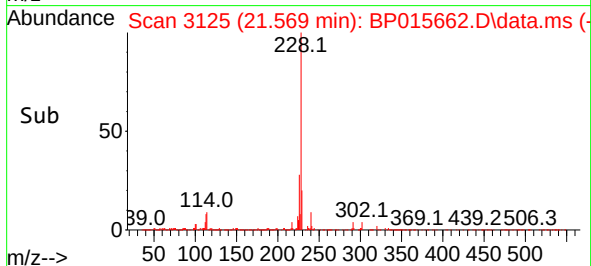
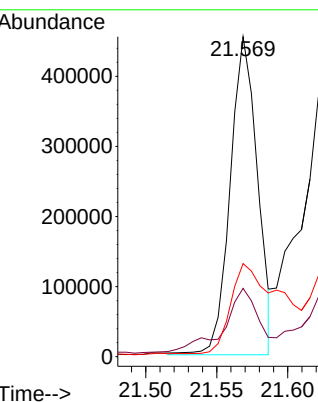
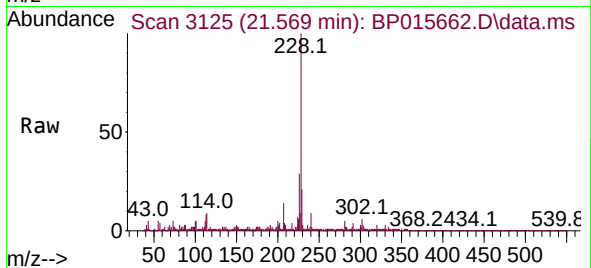
226 29.1 21.8 32.6

Manual Integrations

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Supervised By :mohammad ahmed 06/23/2023



#87

Chrysene

Concen: 26.616 ng/ul m

RT: 21.627 min Scan# 3135

Delta R.T. 0.006 min

Lab File: BP015662.D

Acq: 22 Jun 2023 23:33

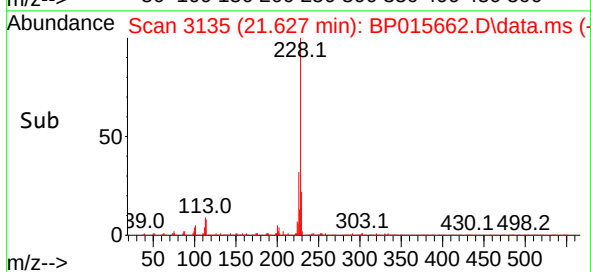
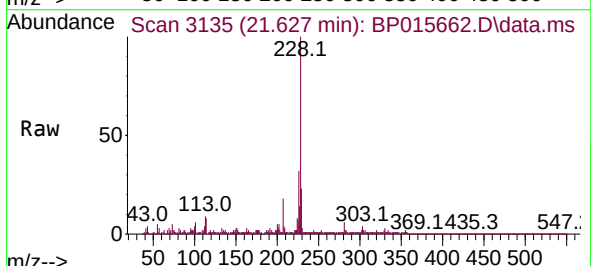
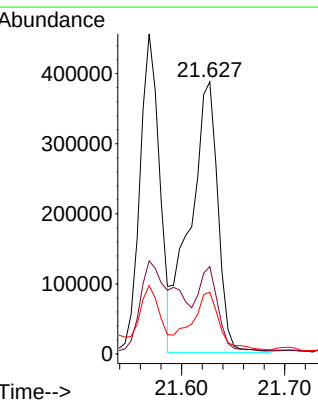
Tgt Ion:228 Resp: 720016

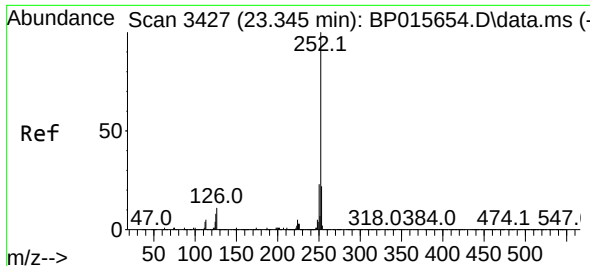
Ion Ratio Lower Upper

228 100

226 32.1 23.9 35.9

229 22.7 15.1 22.7#





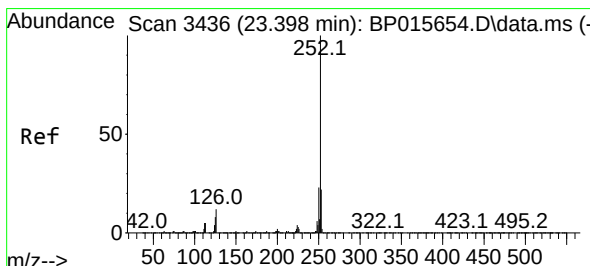
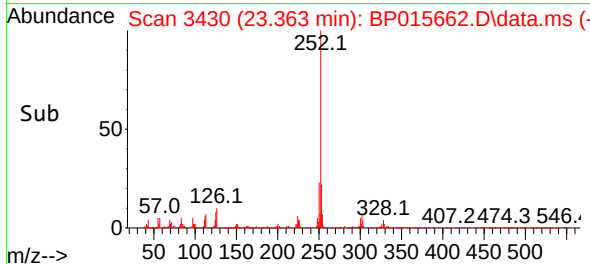
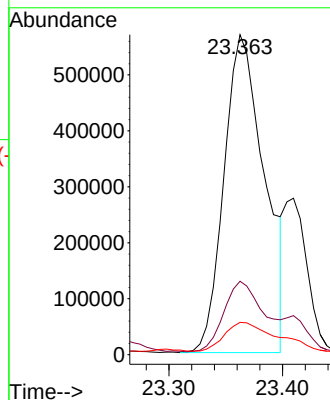
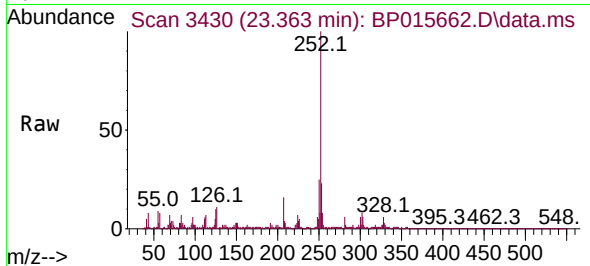
#90
Benzo(b)fluoranthene
Concen: 41.108 ng/ul
RT: 23.363 min Scan# 3427
Delta R.T. 0.018 min
Lab File: BP015662.D
Acq: 22 Jun 2023 23:33

Instrument :
BNA_P
ClientSampleId :
DCFL6

Tgt Ion:252 Resp: 1407870
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.1 7.3 10.9

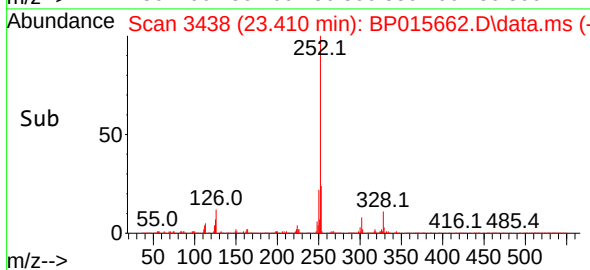
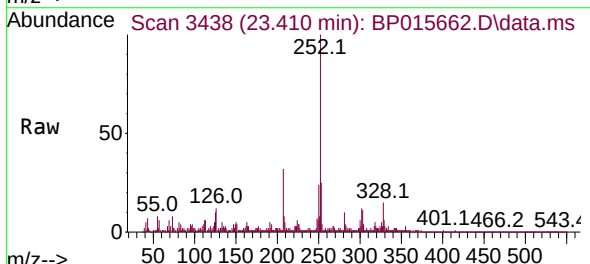
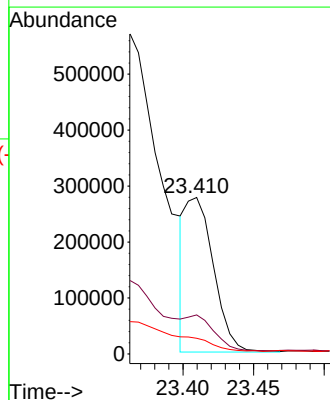
Manual Integrations
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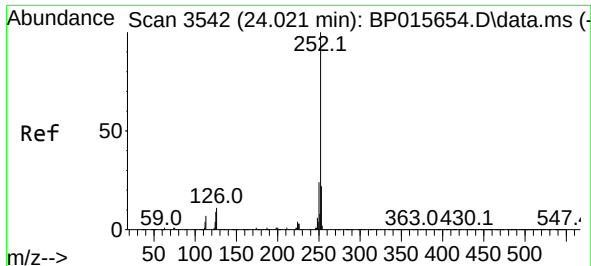
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#91
Benzo(k)fluoranthene
Concen: 11.485 ng/ul m
RT: 23.410 min Scan# 3438
Delta R.T. 0.012 min
Lab File: BP015662.D
Acq: 22 Jun 2023 23:33

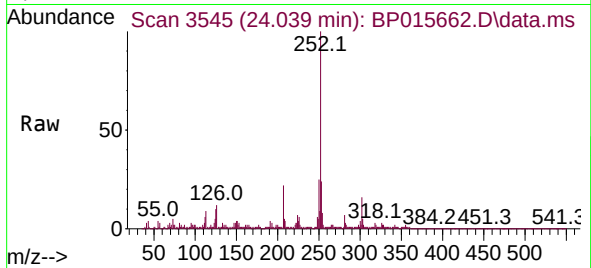
Tgt Ion:252 Resp: 380226
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 10.0 7.3 10.9





#93
Benzo(a)pyrene
Concen: 28.896 ng/ul
RT: 24.039 min Scan# 3545
Delta R.T. 0.018 min
Lab File: BP015662.D
Acq: 22 Jun 2023 23:33

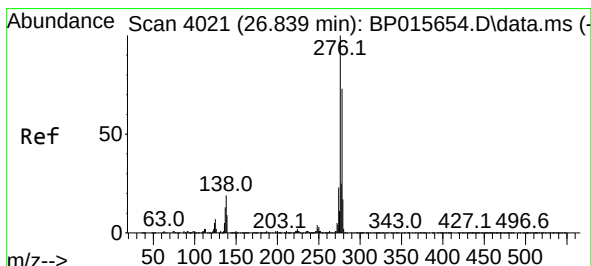
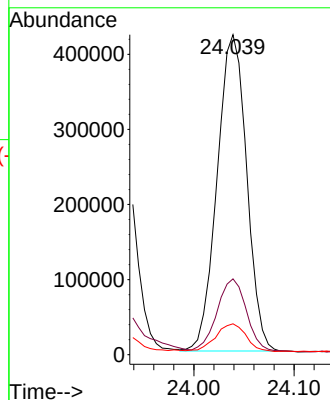
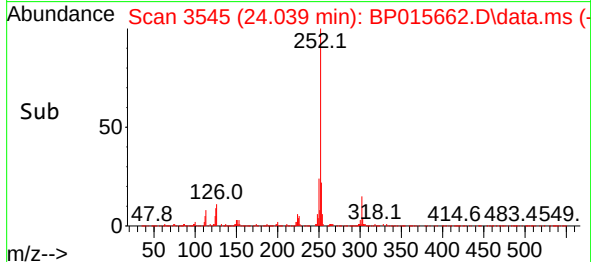
Instrument :
BNA_P
ClientSampleId :
DCFL6



Tgt Ion:252 Resp: 862820
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 9.6 8.1 12.1

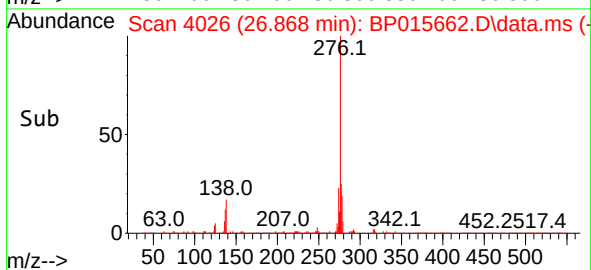
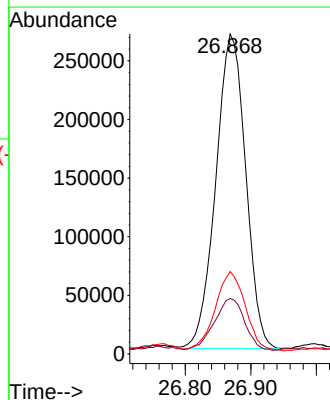
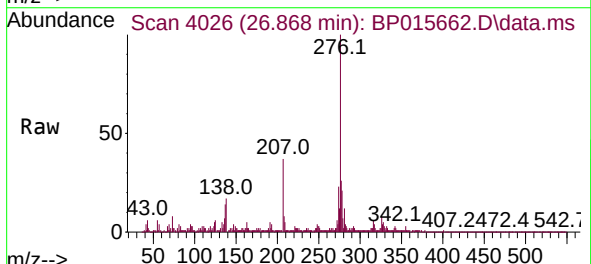
Manual Integrations
APPROVED

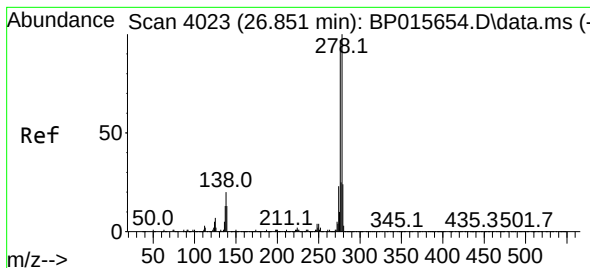
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 21.942 ng/ul
RT: 26.868 min Scan# 4026
Delta R.T. 0.030 min
Lab File: BP015662.D
Acq: 22 Jun 2023 23:33

Tgt Ion:276 Resp: 847884
Ion Ratio Lower Upper
276 100
138 17.4 17.3 25.9
277 25.8 20.2 30.2





#95

Dibenzo(a,h)anthracene

Concen: 6.882 ng/ul

RT: 26.868 min Scan# 4023

Delta R.T. 0.018 min

Lab File: BP015662.D

Acq: 22 Jun 2023 23:33

Instrument :

BNP_P

ClientSampleId :

DCFL6

Tgt Ion:278 Resp: 21666

Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0

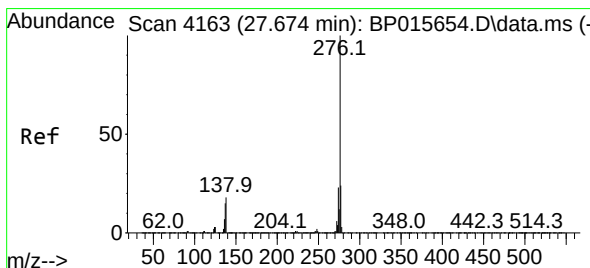
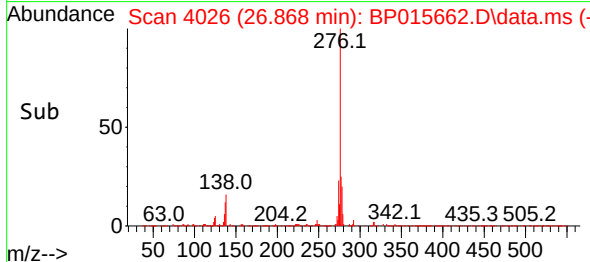
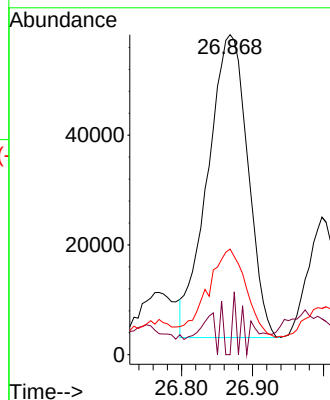
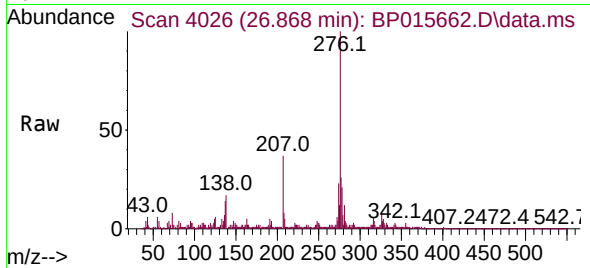
279 33.0 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#96

Benzo(g,h,i)perylene

Concen: 23.891 ng/ul

RT: 27.721 min Scan# 4171

Delta R.T. 0.041 min

Lab File: BP015662.D

Acq: 22 Jun 2023 23:33

Tgt Ion:276 Resp: 760817

Ion Ratio Lower Upper

276 100

138 17.8 15.6 23.4

277 24.5 19.0 28.6

